

# Isolating Base

- Product code: 45681-284IMC



The Isolating Base senses and detects short-circuit faults on Context Plus addressable loops and spurs.

General	
Warranty	10 year
Conformance	
Approvals	UL Listed-----
Mechanical	
Colour	White
Materials Housing	Polycarbonate
Materials Terminals	Nickel plated stainless steel
Product Depth	24mm
Product Diameter	100mm

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## *Operation*

Under normal operating conditions, a low impedance is present between the –IN and –OUT terminals of the base, so that power and signals pass to the next base in line. If a short-circuit or abnormally low impedance occurs, the fall in voltage is sensed and the base isolates the negative supply in the direction of the fault. The isolated section is tested using a current pulse every five seconds. When the short-circuit is removed, the power will automatically be restored. If it is a requirement that no device is lost in the event of a single short-circuit fault, every detector should be fitted to an isolating base. In applications where it is not necessary to use an isolating base for each detector, up to twenty detectors or equivalent surge current may be installed between isolating bases.

## *Mechanical Construction*

The isolating base is a self-extinguishing polycarbonate moulding with nickel-plated steel terminals for connecting a detector. The associated detector can be locked into the base using the normal locking screw

## *Backward Compatibility*

The isolating base is intended for use with equipment using the Context Plus XP95 and Discovery communication protocol.

## *Product Information*

The Isolating Base senses and detects short-circuit faults on Context Plus addressable loops and spurs.

## *Key Features*

Up to 20 detectors or their equivalent load, may be installed between isolating bases  
High brightness LED Detects wiring short-circuits  
Minimises disruption from short circuits

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